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TOR: 071719Z OCT 74

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 FM AMEMBASSY MOSCOW
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UNCLAS MOSCOW 15097
 E.O. 11652 N/A

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SUBJ: S&T AGREEMENT: MICROBIOLOGY AREA: SEMINAR ON
 IMMOBOLIZED ENZYMES

1. PROFESSOR BEREZIN OF MOSCOW UNIVERSITY HAS REQUESTED
 PROMPT REPLY TO FOLLOWING LETTER CONCERNING US-USSR
 SEMINAR ON IMMOBOLIZED ENZYMES. EARLY AGREEMENT ON
 DATE AND STRUCTURING OF SEMINAR ESSENTIAL TO PROVIDE
 AMPLE TIME TO ORGANIZE SEMINAR AND TO OBTAIN NECESSARY
 CLEARANCES FROM MINISTRY OF HIGHER AND SPECIALIZED
 EDUCATION TO CONVENE THIS CONFERENCE AT MOSCOW
 UNIVERSITY.

2. BEGIN TEXT:

DEAR DR. LEISE,

THANK YOU FOR YOUR LETTER DATED 19/8/74. I AM
 VERY SORRY TO ADMIT THAT A KIND OF SEVERE MISUNDERSTAND-
 ING CONCERNING THE US-USSR SEMINAR ON IMMOBOLIZED
 ENZYMES HAS DEVELOPED. I ENTIRELY AGREE WITH YOU
 THAT SUCH A SEMINAR SHOULD BE CONSIDERED AS PART OF
 THE ACTIVITY OF THE JOINT WORKING GROUP AND IT IS PRO-
 BABLY PARTIALLY MY FAULT THAT THE ORGANIZATIONAL STEPS
 WHICH PROF. BEREZIN HAD TAKEN LED ASTRAY.

AT THE SAME TIME I STILL THINK THAT IT WOULD BE A
 GREAT PITY IF THIS FIRST STEP IN OUR JOINT EFFORTS WILL
 TURN OUT AS A KIND OF FALSE START. THAT'S WHY I PRO-
 POST TO CONSIDER WITH YOU THE POSSIBILITIES OF
 ORGANIZATION OF THIS SEMINAR ALONG THOSE LINES WHICH
 YOU HAVE STRESSED IN YOUR LETTER.

1. THE SEMINAR COULD BE POSTPONED SAY FOR ONE MONTH OR
 MORE.

2. AMERICAN PARTICIPANTS OF THIS SEMINAR WILL BE CHOSEN
 BY YOU WITH CONSIDERATION OF OUR PROPOSALS. I THINK
 THAT 15 PARTICIPANTS FROM THE AMERICAN SIDE AND ABOUT
 25-30 PARTICIPANTS FROM THE SOVIET SIDE WILL BE
 SATISFACTORY FOR THE SEMINAR.

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3. I THINK IT WILL BE POSSIBLE TO INCLUDE IN PARTICIPATION OF THIS SEMINAR ALSO THE MEMBERS OF ENZYME ENGINEERING PROJECT GROUP (DRS. LEISE, HUMPHREY ET. AL.) AND HOLD THE MEETING OF THIS GROUP IN MOSCOW AFTER THE SEMINAR.

4. IT IS MY UNDERSTANDING THAT IF AN OFFICIAL MEETING OF THE GROUP IV PROJECT PERSONNEL IS HELD IN CONJUNCTION WITH THE SEMINAR, THE FINANCIAL SUPPORT FOR THIS GROUP MEMBERS WILL COME FROM THE U.S. (SENDING SIDE). FURTHER IT IS MY UNDERSTANDING THAT NSF SUPPORTED RESEARCHERS HAVE TRAVEL MONEY IN THEIR GRANTS TO COVER THEIR EXPENSES TO AND FROM MOSCOW FOR SUCH MEETINGS. FINALLY, IT IS MY UNDERSTANDING THAT THE INDUSTRIAL PEOPLE CAN HAVE THEIR EXPENSES COVERED BY THEIR COMPANIES.

AS PROF. BEREZIN INFORMED ME HE HAS MET PROF. HUMPHREY IN TOKYO AT THE BEGINNING OF THIS SEPTEMBER AND THEY HAVE DISCUSSED IN SOME DETAIL A POSSIBLE DEVELOPMENT OF COMING EVENTS. I HOPE THAT THE ABOVE SAID IN THIS LETTER WOULD BE TO A CERTAIN EXTENT SATISFACTORY TO BOTH SIDES AND I WOULD VERY MUCH APPRECIATE YOUR PROMPT REPLY ON THIS MATTER.

SINCERELY,

YE, SHENDEREY. END TEXT. STOESSEL

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Dr. Joshua M. Leise

September 25, 1974.

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Chairman of the American Part
of the Joint Working Group
for Scientific-Technical
Cooperation in the Area of
obtaining Substances by Micro-
biological Means. Senior Staff
Associate Deputy Assistant
Director for Research National
Science Foundation, Washington

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Dear Dr. Leise,

Copy to Dr. A. Humphrey

Thank you for your letter dated 19.8.74. I am very sorry to admit that a kind of nevere misunderstanding concerning the US-USSR Seminar on Immobilized enzymes has developed. I entirely agree with you that such a Seminar should be considered as part of the activity of the joint working group and it is probably partially my fault that the organizational steps which Prof. Berezin has taken lead astray.

At the same time I still think that it would be a great pity if this first step in our joint efforts will turn out as a kind of falsstart. That's why I propose to consider it with you the possibilities of organization of this Seminar along those lines which you have stressed in your letter.

1. The Seminar could be postponed say for one month or more.
2. American participants of this Seminar will be chosen by you with consideration of our proposals. I think that 15 participants from the American side and about 25-30 participants from the Soviet side will be satisfactory for the Seminar.

3. I think it will be possible to include in participation of this Seminar also the members of Enzyme Engineering Project group (Dr-s Leise, Humphrey at all) and hold the meeting of this group in Moscow after the Seminar.

4. It is my understanding that if an official meeting of the Group IV Project personnel is held in conjunction with the Seminar, the financial support for this group members will come from the U.S. (sending side). Further it is my understanding that NSF supported researches have travel money in their grants to cover their expenses to and from Moscow for such meetings. Finally, it is my understanding that the industrial people can have their expences coverd by their companies.

As Prof. Berezin informed me he has met Prof. Humphrey in Tokio at the beginning of this September and they have discussed in some details a possible development of coming events. I hope that the above said in this letter would be to a certain extent satisfactory to both sides and I would very much appreciate your promt reply on this matter.

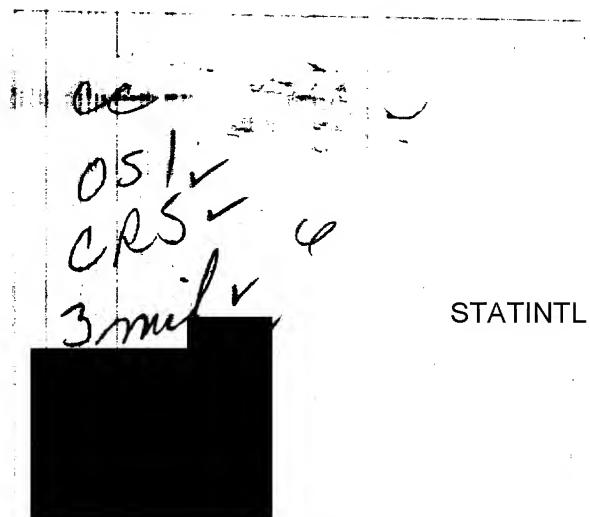
Chairman of the Soviet part
of the US-USSR Joint Working Group
on Cooperation in Science and Tech-
nology in the Field of Production
of Substances by Microbiological
Means,

Sincerely Ye. Shenderey.

Dr. Shenderey dictated this letter by phone from Sotchi
(Black Sea Cost).


Dr. V. Seregin.

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20 September 1974

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MEMORANDUM FOR THE RECORD

SUBJECT: OSI Assessment of Progress in the S&T Bilateral Agreement Project on Production of Substances by Microbiological Means

1. The October 1973 assessment on cooperation in this subject area remains valid. As stated on our 18 July 1974 comment on the Project Review, dated 27 June 1974, there seems little doubt that the US side of the Joint Working Group has gained an awareness of Soviet capabilities in the scientific areas of concern to this exchange. There is general agreement that the apparent Soviet primary motivation for the exchange is to develop industrial microbiological technology in support of agriculture.

2. It still is not clear what, if any, benefits the US can derive from this exchange, especially since there is no indication US scientists will visit actual Soviet microbiological production facilities. Such visits are important if US scientists are to assess Soviet capability to technically implement microbiological processes on an industrial scale and to gain access to Soviet information and technology which may have potential for adoption in the US.

3. Recently, we identified four Soviet industrial plants designed for the full scale production of single cell protein (SCP) from hydrocarbons. These plants, in various stages of completion, are located in the vicinity of major petroleum refineries. Unfortunately, with the exception of the facility near Gor'kiy, the information concerning these plants [REDACTED] 25X1D cannot be downgraded further than S/NFD. There is speculation that the production technology employed in these plants is based on Western technology and possibly that developed by the British Petroleum

25X1D

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SUBJECT: OSI Assessment of Progress in the S&T Bilateral
Agreement Project on Production of Substances
by Microbiological Means

25X6

Company. Further information on these plants would be useful
in determining the status of the Soviet SCP production
capability.



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